

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Junichi TAKEUCHI, et al.  
Title: AUTOREGRESSIVE MODEL LEARNING DEVICE  
FOR TIME-SERIES DATA AND A DEVICE TO  
DETECT OUTLIER AND CHANGE POINT USING  
THE SAME  
Appl. No.: Unassigned  
Filing Date: 07/16/2003  
Examiner: Unassigned  
Art Unit: Unassigned

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Junichi TAKEUCHI

Kenji YAMANISHI

Enclosed are:

- [ X ] Application Data Sheet (37 CFR 1.76) (3 pages).
- [ X ] Specification, Claim(s), and Abstract (35 pages).
- [ X ] Formal drawings (10 sheets, Figures 1-10).
- [ X ] Declaration and Power of Attorney (4 pages).
- [ X ] Assignment Recordation Cover Sheet (1 page).



- ☒ Assignment of the invention to NEC CORPORATION (2 pages).
- ☒ Claim for Convention Priority and 1 Priority Document.
- ☒ Information Disclosure Statement (2 pages).
- ☒ Form PTO/SB/08 with copies of 6 listed reference(s).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$750.00	\$750.00
Total Claims:	12	- 20	= 0	x \$18.00	= \$0.00
Independents:	4	- 3	= 1	x \$84.00	= \$84.00
If any Multiple Dependent Claim(s) present:				+ \$280.00	= \$0.00
				SUBTOTAL:	= \$834.00
<input type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):					= \$0.00
				TOTAL FILING FEE:	= \$834.00
Assignment Recordation Fee:				+ \$40.00	= \$40.00
				TOTAL FEE	= \$874.00

- ☒ A check in the amount of \$874.00 to cover the filing fee and fee for recordation of Assignment is enclosed.
- ☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date: July 16, 2003

FOLEY & LARDNER  
Customer Number: 22428

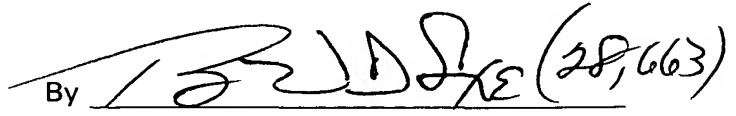



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PATENT TRADEMARK OFFICE

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By

  
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